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and further wherein each of the two mounting ears is operable to be rotated into engagement with a respective one of the two protrusions to attach the adapter face plate to the injector.

[c36] 36. An adapter for connecting a syringe comprising a plunger to an injector comprising a drive piston and at least one sensor, the adapter comprising: a piston extension having a first end and a second end, the first end comprising a first connector member adapted to be connected to the drive piston and a second end comprising a second connector member adapted to be connected to the plunger of the syringe; an adapter face plate for attaching the syringe to the injector, the adapter face plate comprising a mounting device for attaching the adapter face plate to the injector and an attachment mechanism adapted to removably mount the syringe to the injector; and at least one device adapted to cooperate with at least one sensor on the injector when the adapter face plate is attached to the injector.

[c37] 37. The adapter of Claim 36 wherein the second connector member comprises threads mateable with threads formed on the plunger of the syringe.

[c38] 38. The adapter of Claim 36 wherein the first connector member comprises a protrusion mateable with a slot formed in the drive piston.

[c39] 39. The adapter of Claim 36 wherein the first connector member defines a slot mateable with an attachment flange formed on the drive piston.

[c40] 40. The adapter of Claim 39 wherein the first connector member further comprises a pin located within the slot and operable to engage the attachment flange of the drive member.

[c41] 41. The adapter of Claim 36 wherein the mounting device comprises at least one mounting ear.

[c42] 42. The adapter of Claim 41 wherein the at least one mounting ear comprises two mounting ears.

[c43] 43. The adapter of Claim 42 wherein the two mounting ears are positioned in

substantially opposed relation to one another.

[c44] 44.The adapter of Claim 41 wherein the at least one mounting ear is adapted to be engaged with at least one protrusion formed on the injector to attach the adapter face plate to the injector.

[c45] 45.The adapter of Claim 36 wherein the attachment mechanism comprises a base defining a recess for receiving at least one flange of the syringe.

[c46] 46.The adapter of Claim 36 wherein the attachment mechanism comprises a base for receiving the syringe and a pair of pivoting arms attached to the base and movable from an opened position to a closed position to engage the syringe.

[c47] 47.The adapter of Claim 46 wherein the pair of pivoting arms is attached to the base by a gear mechanism.

[c48] 48.The adapter of Claim 47 wherein the gear mechanism permits simultaneous movement of the pivoting arms.

[c49] 49.The adapter of Claim 36 wherein the adapter face place defines an opening therein through which the drive piston and the piston extension are extendable.

[c50] 50.The adapter of Claim 36 wherein the at least one device cooperates with the at least one sensor to indicate that the adapter face plate is attached to the injector.

[c51] 51.The adapter of Claim 36 wherein the at least one device cooperates with the at least one sensor to calibrate at least one operating parameter of the injector.

[c52] 52.The adapter of Claim 36 wherein the at least one device comprises a plurality of devices and the at least one sensor comprises a plurality of sensors.

[c53] 53.The adapter of Claim 36 wherein the at least one device comprises a magnetic device and the at least one sensor comprises a magnetic sensor.

[c54] 54.The adapter of Claim 36 wherein the at least one device comprises a detent.

[c55] 55.The adapter of Claim 36 wherein the at least one device comprises a signal

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